

BRUHAT BANGALORE MAHANAGARA PALIKE**Yelahanka Zone, Electrical Division**

Name of Work:-Detailed Estimate for Repairs and Replacement of damaged Lights in forest Park in
A sector yelahanka Constituency in Ward no 04.

Ward No. 04

Estimate No:-

For Rs.

400000.00

Sl No	SR Page &	Description Of Work	Unit	Qty	Rate	Amount
1	27/4.3 6.1	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor > 0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency > 130lm/w at 1W & Fixture Efficiency > 80lm/w with nominal CRI > 75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II. LED Streetlight 24watts	Nos	44	6912.00	304128.00
2	108 /17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Nos	43	893.00	38399.00
3	15 Datarat e	Transporting and erecting of 3.5 Mtrs long Swged Tubel or park poles including Digging of pit 45x45x100cms & providing 1:2:4 concrete of size 35x35x130 cms Including coping as per the detaild enclosed civil estimate & drawing	Nos	2	972.00	1944.00
4	55/7.4. 5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class. I. Class 'A' PVC Cable. 4 core 16 sqmm	Mtrs	230	140.40	32292.00

5	61/7.8.2	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall / on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs	230	10.80	2484.00
6	62/7.9.1	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB I-2, P-7).a) In soil (ordinary)	Mtrs	200	78.00	15600.00
7	6/2.6.2	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring. I Group A Materials. b) 1.5 sqmm	Mtrs	324	15.90	5151.60
8	6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Nos	0	9915.00	0.00
		Mislenious				1.40
		TOTAL				400000.00

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 , BESCOM SR and Approved Rates.

Asst. Engineer (Elec)

Asst. Exe Engineer (Elec)

Sub-Division No.

Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)

YELAHANKA DIVISION

BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. **4.00 LAKHS**
RUPEES. FOUR LAKHS ONLY

is accorded under no. **P 0294 M. AND R. TO**
ELECTRICAL INST IN BMP BUILD-
-ING SCHOOLS M. HOMES

Registered as EE No. **06/2018-19** Subject

to conditions contained in enclosed memo

No. **BBMP/EE/ELE/42/TS/06/2018-19**

Dt **25-09-2018**

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. **4.00 LAKHS**
RUPEES. FOUR LAKHS ONLY

Under **P 0294 M. AND R. TO ELECTRICAL**
INST IN BMP BUILDING SCHOOL

Registered as EE () No. **06/2018-19** 9 9

Subject to conditions contained in enclosed memo EE () No. **EE/ELE/42/TS/06/18-19**

DL **25-09-2018** Estimate A/ Sanctioned

BBMP/EE/ELE/42/TS/06/2018-19 No. **2018-19**

Dated **25-09-2018** Rs. **4.00 LAKHS**

Executive Engineer